

10/26/06

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10-31-2006

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Attorney Docket Number  
9516-415-999  
(JD 501872-999415)

10-26-06

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Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Bartlett, Justin B. ; Muller, George W. ; Schafer, Peter H. ; Galustian, Christine ; Dalgleish, Angus G. ; and Meyer, Brendan Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: <u>Celgene Corporation</u> Address: <u>86 Morris Avenue, Summit, NJ 07901</u> Country (if other than USA):
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Merger <input type="checkbox"/> Security Agreement Change of Name <input type="checkbox"/> Other Execution Date: <u>October 3, 4, and 20, all of 2006</u>	

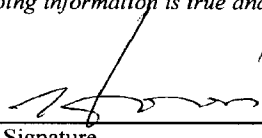
4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is:  
 A. Patent Application No.(s) 11/514,447 B. Patent No.(s)  
 Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: JONES DAY 222 East 41 <sup>st</sup> Street New York, NY 10017	6. Number of applications and patents involved: <u>1</u>	
	7. Total fee (37 CFR 3.41):.....\$ 40.00 Please charge to the deposit account listed in Section 8.	
	8. Deposit account number: <u>503013</u>	

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Anthony M. Insogna 35,203  October 25, 2006  
 by Reg. No. Signature Date  
 Hoon Choi (Ltd. Recog. No. L0209)

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:  
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10/30/2006 MJAMA1 00000040 503013 11514447  
 01 FC:8021 (40.00 DA)

CAJD-534707v1

PATENT  
 REEL: 018467 FRAME: 0001

ASSIGNMENT

WHEREAS, WE, Justin B. Bartlett, citizen of the United States, residing at 25 Arrighi Drive, Warren, New Jersey 09059; George W. Muller, citizen of the United States, residing at 250 Windmill Court, Bridgewater, New Jersey 08807; Peter H. Schafer, a citizen of the United States, residing at 16 Block Court, Randolph, New Jersey 07869; Christine Galustian, a citizen of the United Kingdom, residing at 44 Park Hill Rise, Croydon Surrey, England, United Kingdom; Angus G. Dalglish, a resident of the United Kingdom, residing at 7 Burdon Lane, Cheam, England, United Kingdom; Brendan Meyer, a citizen of South Africa, residing at 88 Coleman Court, Kimber Road, London, England, United Kingdom, ASSIGNORS, are the inventors of the invention in IMMUNOLOGICAL USES OF IMMUNOMODULATORY COMPOUNDS FOR VACCINE AND ANTI-INFECTIOUS DISEASE THERAPY for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or
which is identified by Jones Day Docket no. 9516-415-999
which was filed on August 31, 2006, Application No. 11/514,447
We hereby authorize and request attorney(s), at Jones Day, to insert here in parentheses (Application number, filed the filing date and application number of said application when known.

and WHEREAS, Celgene Corporation, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

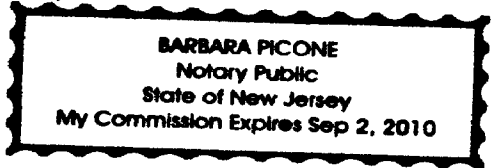
Date 3/10/2006, Justin B. Bartlett L.S.

State of NJ )
County of Somerset ) SS.:

On Oct 3, 2006, before me, Barbara Picone, Notary Public, personally appeared Justin B. Bartlett, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara Picone



Date October 4, 2006

George W. Muller  
George W. Muller

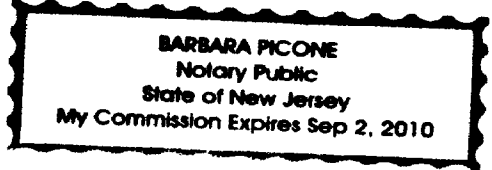
L.S.

State of NJ )  
County of Somerset ) SS.:

On Oct 4, 2006, before me, Barbara Picone, Notary Public, personally appeared George W. Muller, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara Picone



Date 3 October, 2006

Peter H. Schafer  
Peter H. Schafer

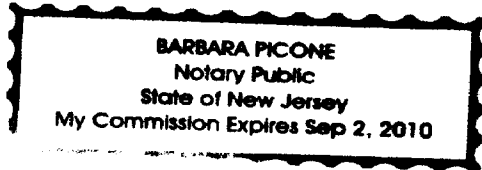
L.S.

State of NJ )  
County of Somerset ) SS.:

On Oct 3, 2006, before me, Barbara Picone, Notary Public, personally appeared Peter H. Schafer personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara Picone



Date \_\_\_\_\_, 2006

\_\_\_\_\_  
Christine Galutian

L.S.

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2006, before me, \_\_\_\_\_, Notary Public, personally appeared Christine Galutian, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

Date \_\_\_\_\_, 2006

Angus G. Dalgleish

L.S.

State of \_\_\_\_\_ )  
  ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2006, before me, \_\_\_\_\_, Notary Public, personally appeared Angus G. Dalgleish, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

Date \_\_\_\_\_, 2006

Brendan Meyer

L.S.

State of \_\_\_\_\_ )  
  ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2006, before me, \_\_\_\_\_, Notary Public, personally appeared Brendan Meyer, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

ASSIGNMENT

WHEREAS, WE, Justin B. Bartlett, citizen of the United States, residing at 25 Arrighi Drive, Warren, New Jersey 09059; George W. Muller, citizen of the United States, residing at 250 Windmill Court, Bridgewater, New Jersey 08807; Peter H. Schafer, a citizen of the United States, residing at 16 Block Court, Randolph, New Jersey 07869; Christine Galustian, a citizen of the United Kingdom, residing at 44 Park Hill Rise, Croydon Surrey, England, United Kingdom; Angus G. Dalgleish, a resident of the United Kingdom, residing at 7 Burdon Lane, Cheam, England, United Kingdom; Brendan Meyer, a citizen of South Africa, residing at 88 Coleman Court, Kimber Road, London, England, United Kingdom, ASSIGNORS, are the inventors of the invention in IMMUNOLOGICAL USES OF IMMUNOMODULATORY COMPOUNDS FOR VACCINE AND ANTI-INFECTIOUS DISEASE THERAPY for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or
which is identified by Jones Day Docket no. 9516-415-999
which was filed on August 31, 2006, Application No. 11/514,447
We hereby authorize and request attorney(s), at Jones Day, to insert here in parentheses (Application number, filed the filing date and application number of said application when known.

and WHEREAS, Celgene Corporation, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date, 2006, Justin B. Bartlett L.S.

State of )
) SS.:
County of )

On, 2006, before me, Notary Public, personally appeared Justin B. Bartlett, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

Date \_\_\_\_\_, 2006

George W. Muller

L.S.

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2006, before me, \_\_\_\_\_, Notary Public, personally appeared George W. Muller, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date \_\_\_\_\_, 2006

Peter H. Schafer

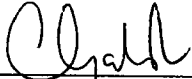
L.S.

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS.:

On \_\_\_\_\_, 2006, before me, \_\_\_\_\_, Notary Public, personally appeared Peter H. Schafer personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Date 20/10/06, 2006

  
Christine Galustian

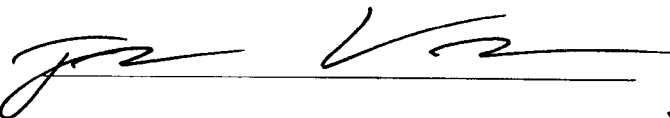
L.S.

GALUSTIAN

KINGDOM  
State of ENGLAND )  
CITY ) SS.:  
County of LONDON )

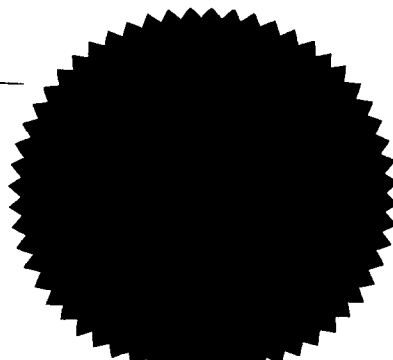
GALUSTIAN On 20<sup>th</sup> OCTOBER, 2006, before me, JAMES IAN VANNER, Notary Public, personally appeared Christine Galustian, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal



MY COMMISSION  
EXPIRES WITH LIFE

JAMES IAN VANNER, Notary Public



**SONI & CO**  
**NOTARIES**  
10 FENCHURCH AVENUE  
LONDON EC3M 5BN  
TEL: 08456 120 130  
FAX: 020 7938 2050  
PATENT LONDON/CITY

Date 20/10/06., 2006

*Angus G. Dalgleish* L.S.  
Angus G. Dalgleish

KINGDOM  
State of ENGLAND )  
CITY of LONDON ) SS.:

On 20<sup>th</sup> OCTOBER, 2006, before me, JAMES IAN VANNER, Notary Public, personally appeared Angus G. Dalgleish, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

*James Ian Vanner*

MY COMMISSION  
EXPIRES WITH LIFE

**JAMES IAN VANNER, Notary Public**

Date 20/10/06., 2006

*Brendan Meyer* L.S.  
Brendan Meyer

KINGDOM  
State of ENGLAND )  
CITY of LONDON ) SS.:

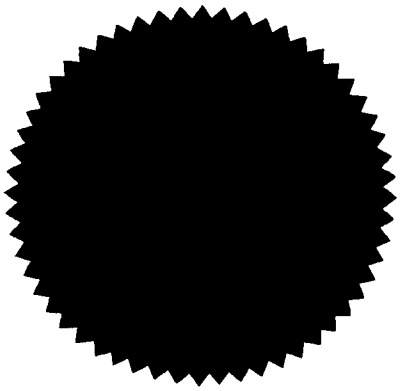
On 20<sup>th</sup> OCTOBER, 2006, before me, JAMES IAN VANNER, Notary Public, personally appeared Brendan Meyer, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

*James Ian Vanner*

MY COMMISSION  
EXPIRES WITH LIFE

**JAMES IAN VANNER, Notary Public**



**SONI & CO**  
**NOTARIES**  
10 FENCHURCH AVENUE  
LONDON EC3M 5BN  
TEL: 08456 120 130  
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DX: 565 LONDON/CITY  
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